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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/544,253	04/05/2000	Gopal Parupudi	MSI-505US	7033

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EXAMINER

LY, ANH

ART UNIT	PAPER NUMBER
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2172

DATE MAILED: 01/03/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/544,253

Applicant(s)

PARUPUDI ET AL.

Examiner

Anh Ly

Art Unit

2172

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 16 October 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-8 and 10-60 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 and 10-60 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Response to Arguments***

1. Applicant's arguments filed on 10/16/2002 with respect to claims 1-60 have been considered but are moot in view of the new ground(s) of rejection.
2. Claim 9 has been cancelled.
3. Claims 1-8 and 10-60 are pending in this application.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
6. Claims 1-8, 10-19, 24-28, 30-31, 37-43, 48-49 and 54-60 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 5,295,261 issued to Simonetti.

With respect to claim 1, Simonetti discloses one or more computer-readable media (disks and tapes: col. 1, lines 60-68); and a hierarchical tree structure resident on the media and comprising multiple nodes each of which represent geographical divisions of the Earth (city and state: col. 4, lines 6-14 and col. 8, lines 12-26; also see col. 13, lines 27-44), individual nodes comprising an entity identification (EID) (identifier number: col. 8, lines 12-26) that is unique to the node, serving as a basis by which attributes can be assigned to goods or services associated with an individual node (see abstract, figs. 3(A), 3(B) and 3(C), col. 8, lines 12-35 and col. 9, lines 1-28).

Simonetti does not disclose clearly, "geographical divisions of Earth"; however, Simonetti shows the tree structure storing geographical information such as country, state and city (col. 4, lines 6-43). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to employ the teachings of Simonetti such as tree structures, nodes, identification number for each node and goods to customer (col. 5, lines 59-68 and col. 6, lines 1-7). Also, Simonetti discloses a way to improve the searching and retrieving a tree structure (col. 5, lines 20-23) and optimization for search on a plurality of search values without the need to generate and store search table for each search value values (col. 5, lines 28-32) and reduce the amount of required storage area (col. 4, lines 60-64) in the searching in the hierarchical tree structures environment.

With respect to claims 2-8, Simonetti discloses wherein the one or more computer-readable media comprise one or more networks; wherein the nodes comprise political or natural entities, wherein the political or natural entities comprises one or

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more of the following: continents, countries, oceans, states, counties and cities; wherein the nodes comprise infrastructure entities; one or more of the following: postal codes, area codes and time zones; public places and non-physical entities (see abstract, col. 1, lines 60-68; col. 4, lines 6-14 and col. 8, lines 12-26; also see col. 13, lines 27-44; col. 8, lines 12-26; and abstract, figs. 3(A), 3(B) and 3(C), col. 8, lines 12-35 and col. 9, lines 1-28).

With respect to claim 10-19, Simonetti wherein one of the attributes comprises a name attribute; a neutral ground truth name attribute; wherein one of the attributes comprises a geographic attribute; a latitude/longitude attribute; a relative importance index; a contextual parent attribute; a source attribute; a start/end dates attribute; a modification date attribute and a status attribute (col. 1, lines 60-68; col. 4, lines 6-14 and col. 8, lines 12-26; also see col. 13, lines 27-44; col. 8, lines 12-26; and abstract, figs. 3(A), 3(B) and 3(C), col. 8, lines 12-35 and col. 9, lines 1-28).

With respect to claim 24, Simonetti discloses one or more computer-readable media; a first hierarchical tree structure having multiple nodes associated with a first context; at least one second hierarchical tree structure having multiple nodes associated with a second context (navigational data tree structures; col. 8, lines 1-11); and at least one node from the at least one second hierarchical tree structure being linked with one node on the first hierarchical tree structure by a link that is configured to enable a complete context to be derived from the first and second contexts, individual nodes having unique IDs that can serve as a basis by which attributes can be assigned to goods or services (col. 1, lines 60-68; col. 4, lines 6-14 and col. 8, lines 12-26; also

see col. 13, lines 27-44; col. 8, lines 12-26; and abstract, figs. 3(A), 3(B) and 3(C), col. 8, lines 12-35 and col. 9, lines 1-28).

Simonetti does not disclose clearly, “a first hierarchical tree structure and at least one second hierarchical tree structure”; however, Simonetti shows the navigational data tree structure storing geographical information such as country, state and city (col. 8, lines 1-11). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to employ the teachings of Simonetti such as tree structures, nodes, identification number for each node and goods to customer (col. 5, lines 59-68 and col. 6, lines 1-7). Also, Simonetti discloses a way to improve the searching and retrieving a tree structure (col. 5, lines 20-23) and optimization for search on a plurality of search values without the need to generate and store search table for each search value values (col. 5, lines 28-32) and reduce the amount of required storage area (col. 4, lines 60-64) in the searching in the hierarchical tree structures environment.

With respect to claim 25-28 and 30-31, Simonetti discloses wherein the first and second contexts comprise a location context wherein the nodes of the first hierarchical tree structure comprise geographical divisions of the Earth; wherein the nodes of the at least one second hierarchical tree structure comprise physical and/or logical entities; wherein the first and the at least one second hierarchical tree structures comprise a plurality of attributes, two of which comprising: an identification that is unique to a node; and information that pertains to the tree with which the node is associated ; one or more goods or services associated with one or more of the nodes of the at least one second

hierarchical tree structure and wherein the first hierarchical tree structure to comprises a standardized view of the Earth, and the at least one second hierarchical tree structure comprises an organization-specific view of at least a portion of the Earth, the organization-specific view comprising a physical/logical entity that links into specific portions of the Earth (col. 1, lines 60-68; col. 4, lines 6-14 and col. 8, lines 12-26; also see col. 13, lines 27-44; col. 8, lines 12-26; and abstract, figs, 3(A), 3(B) and 3(C), col. 8, lines 12-35 and col. 9, lines 1-28).

With respect to claim 37, Simonetti discloses accessing first and one or more second hierarchical tree structures that are resident on one or more computer-readable media, each tree structure having multiple nodes, the nodes of the first hierarchical tree structure being associated with a first context, the nodes of the one or more second hierarchical tree structures being associated with a second context (navigational data tree structures; col. 8, lines 1-110; and a traversing multiple nodes of at least one of the tree structures to derive a context (col. 8, lines 20-26), individual nodes having unique IDs that can serve as a basis by which attributes can be assigned to goods or services (col. 1, lines 60-68; col. 4, lines 6-14 and col. 8, lines 12-26; also see col. 13, lines 27-44; col. 8, lines 12-26; and abstract, figs, 3(A), 3(B) and 3(C), col. 8, lines 12-35 and col. 9, lines 1-28).

Simonetti does not disclose clearly, "a first hierarchical tree structure and at least one second hierarchical tree structure"; however, Simonetti shows the navigational data tree structure storing geographical information such as country, state and city (col. 4, lines 6-43). Therefore, it would have been obvious to one of ordinary skill in the art at

the time the invention was made to employ the teachings of Simonetti such as tree structures, nodes, identification number for each node and goods to customer (col. 5, lines 59-68 and col. 6, lines 1-7). Also, Simonetti discloses a way to improve the searching and retrieving a tree structure (col. 5, lines 20-23) and optimization for search on a plurality of search values without the need to generate and store search table for each search value values (col. 5, lines 28-32) and reduce the amount of required storage area (col. 4, lines 60-64) in the searching in the hierarchical tree structures environment.

With respect to claim 38-43, Simonetti wherein the traversing derives a location context; wherein the nodes of the first hierarchical tree comprise geographical divisions of the Earth; wherein the nodes of the one or more second hierarchical tree comprise physical and/or logical entities; wherein the traversing comprises traversing at least one node on each tree to derive the context; wherein the context comprises a location and wherein the first and one or more second hierarchical tree structures comprise at least one node pair 14 that is linked (col. 1, lines 60-68; col. 4, lines 6-14 and col. 8, lines 12-26; also see col. 13, lines 27-44; col. 8, lines 12-26; and abstract, figs. 3(A), 3(B) and 3(C), col. 8, lines 12-35 and col. 9, lines 1-28).

With respect to claim 48, Simonetti discloses access first and second hierarchical tree structures, each tree structure having multiple nodes, the nodes of the first hierarchical tree structure being associated with a first location context, the nodes of the second hierarchical tree structure being associated with a second location context, at least one node of the second hierarchical tree structure being linked with a node of the



first hierarchical tree structure; and traverse at least one node of each tree structure to derive a location context, at least one node in a traversal path that leads to a root node of the second hierarchical tree structure being 'linked with a node of the first hierarchical tree structure, individual nodes having unique IDs that can serve as a basis by which attributes can be assigned to goods or services (col. 8, lines 20-26; col. 1, lines 60-68; col. 4, lines 6-14 and col. 8, lines 12-26; also see col. 13, lines 27-44; col. 8, lines 12-26; and abstract, figs. 3(A), 3(B) and 3(C), col. 8, lines 12-35 and col. 9, lines 1-28).

Simonetti does not disclose clearly, "geographical divisions of Earth"; however, Simonetti shows the tree structure storing geographical information such as country, state and city (col. 4, lines 6-43). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to employ the teachings of Simonetti such as tree structures, nodes, identification number for each node and goods to customer (col. 5, lines 59-68 and col. 6, lines 1-7). Also, Simonetti discloses a way to improve the searching and retrieving a tree structure (col. 5, lines 20-23) and optimization for search on a plurality of search values without the need to generate and store search table for each search value values (col. 5, lines 28-32) and reduce the amount of required storage area (col. 4, lines 60-64) in the searching in the hierarchical tree structures environment.

With respect to claim 49, Simonetti discloses the computing device automatically determines its location context (col. 8, lines 12-26).

With respect to claim 54, Simonetti discloses defining a hierarchical tree structure comprising multiple nodes that each can define a physical or logical entity; associating

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one or more goods or services with one or more of the nodes; and traversing one or more of the multiple nodes to discover a good or service (abstract, see figs: 3(A), 3(B) and 3(C), col. 8, lines 12-35 and col. 9, lines 1-28; col. 5, lines 59-68 and col. 6, lines 1-7).

Simonetti does not disclose clearly, "geographical divisions of Earth"; however, Simonetti shows the tree structure storing geographical information such as country, state and city (col. 4, lines 6-43). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to employ the teachings of Simonetti such as tree structures, nodes, identification number for each node and goods to customer (col. 5, lines 59-68 and col. 6, lines 1-7). Also, Simonetti discloses a way to improve the searching and retrieving a tree structure (col. 5, lines 20-23) and optimization for search on a plurality of search values without the need to generate and store search table for each search value values (col. 5, lines 28-32) and reduce the amount of required storage area (col. 4, lines 60-64) in the searching in the hierarchical tree structures environment.

With respect to claims 55-56, Simonetti discloses linking one or more of the multiple nodes with another hierarchical tree structure that contains multiple nodes that each represent a geographical division of the Earth and traversing enables a current location to be determined (abstract, col. 8, lines 12-35, col. 9, lines 1-28; and col. 8, lines 12-36 and col. 13, lines 27-44).

With respect to claim 57, Simonetti discloses define a hierarchical tree structure comprising multiple nodes that each can define a physical or logical entity; associate

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one or more goods or services with one or more of the nodes; and traverse one or more of the multiple nodes to discover a good or service (abstract, see figs: 3(A), 3(B) and 3(C), col. 8, lines 12-35 and col. 9, lines 1-28; col. 5, lines 59-68 and col. 6, lines 1-7).

Simonetti does not disclose clearly, "geographical divisions of Earth"; however, Simonetti shows the tree structure storing geographical information such as country, state and city (col. 4, lines 6-43). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to employ the teachings of Simonetti such as tree structures, nodes, identification number for each node and goods to customer (col. 5, lines 59-68 and col. 6, lines 1-7). Also, Simonetti discloses a way to improve the searching and retrieving a tree structure (col. 5, lines 20-23) and optimization for search on a plurality of search values without the need to generate and store search table for each search value values (col. 5, lines 28-32) and reduce the amount of required storage area (col. 4, lines 60-64) in the searching in the hierarchical tree structures environment.

With respect to claim 58, Simonetti discloses receiving input from a source that specifies information pertaining to physical and/or logical entities; processing the information to define a hierarchical tree structure having a context, the tree structure comprising multiple nodes each of which represent a separate physical or logical entity; linking at least one of the multiple nodes to a node of another tree structure having a context and multiple nodes that represent physical and/or logical entities, individual nodes having unique IDs that can serve as a basis by which attributes can be assigned to goods or services, the tree structures being configured for traversal in a manner that

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enables context to be derived from one or more of the nodes (col. 8, lines 20-26; col. 1, lines 60-68; col. 4, lines 6-14 and col. 8, lines 12-26; also see col. 13, lines 27-44; col. 8, lines 12-26; and abstract, figs. 3(A), 3(B) and 3(C), col. 8, lines 12-35 and col. 9, lines 1-28).

Simonetti does not disclose clearly, "geographical divisions of Earth"; however, Simonetti shows the tree structure storing geographical information such as country, state and city (col. 4, lines 6-43). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to employ the teachings of Simonetti such as tree structures, nodes, identification number for each node and goods to customer (col. 5, lines 59-68 and col. 6, lines 1-7). Also, Simonetti discloses a way to improve the searching and retrieving a tree structure (col. 5, lines 20-23) and optimization for search on a plurality of search values without the need to generate and store search table for each search value values (col. 5, lines 28-32) and reduce the amount of required storage area (col. 4, lines 60-64) in the searching in the hierarchical tree structures environment.

With respect to claims 59-60, Simonetti discloses the context that is derived comprising a location context (col. 8, lines 12-26); and receiving input from a source that specifies information pertaining to physical and/or logical entities; processing the information to define a hierarchical tree structure having a context, the tree structure comprising multiple nodes each of which represent a separate physical or logical entity; linking at least one of the multiple nodes to a node of another tree structure having a context and multiple nodes that represent physical and/or logical entities, the tree

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structures being configured for traversal in a manner that enables context to be derived from one or more of the nodes (col. 8, lines 20-26; col. 1, lines 60-68; col. 4, lines 6-14 and col. 8, lines 12-26; also see col. 13, lines 27-44; col. 8, lines 12-26; and abstract, figs. 3(A), 3(B) and 3(C), col. 8, lines 12-35 and col. 9, lines 1-28).

7. Claims 20-23, 29, 32-36, 44-47 and 50-53 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 5,295,261 issued to Simonetti in view of US Patent No. 6,151,601 issued to Papierniak et al. (hereinafter Papierniak).

With respect to claims 20-23, Simonetti discloses a system for determining context as discussed in claim 1.

Simonetti does not explicitly indicate, "wherein the tree structure does not include any nodal associations with businesses or services; wherein the computer-readable media is embodied on a mobile computing device; wherein the computer-readable media is embodied on a handheld mobile computing device and wherein the computer-readable media is accessible to a mobile computing device via the Internet."

However, Papierniak discloses business context, wireless/mobile and Internet (abstract, col. 1, lines 10-40, col. 3, lines 56-67, col. 4, lines 1-67, col. 10, lines 8-67 and col. 11, lines 32-61).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Simonetti with the teachings of Papierniak so as to have a system for multiple hierarchical tree structures

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for storing data. This combination would provide a system for designing future products accessible via and for web-based application (Papierniak – col. 2, lines 60-65) and for users or customer to make intelligence decisions and take timely actions to achieve their business goals (col. 4, lines 5-15) in the context-aware application computing and ubiquitous computing environment.

With respect to claims 29 and 32-36, Simonetti discloses a system for determining context as discussed in claim 24.

Simonetti does not explicitly indicate, “wherein the information comprises a universal resource locator (URL); wherein the organization-specific view has no context outside of the organization; wherein the computer-readable media is embodied on a mobile computing device; wherein the computer-readable media is embodied on a desktop device; wherein the computer-readable media is embodied a handheld mobile computing device; wherein the computer-readable media is accessible to a computing device via the Internet.”

However, Papierniak discloses URL, wireless/mobile and Internet (col. 12, lines 61-67 and col. 13, lines 1-8; abstract, col. 1, lines 10-40, col. 3, lines 56-67, col. 4, lines 1-67, col. 10, lines 8-67 and col. 11, lines 32-61; col. 7, lines 55-67 and col. 8, lines 1-31).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Simonetti with the teachings of Papierniak so as to have a system for multiple hierarchical tree structures for storing data. This combination would provide a system for designing future products

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accessible via and for web-based application (Papierniak – col. 2, lines 60-65) and for users or customer to make intelligence decisions and take timely actions to achieve their business goals (col. 4, lines 5-15) in the context-aware application computing and ubiquitous computing environment.

With respect to claims 44-47, Simonetti discloses a method for determining context as discussed in claim 37.

Simonetti does not explicitly indicate, “wherein at least one of the nodes of the one or more second hierarchical tree structures has a good or a service associated with it, and wherein the traversing comprises locating a good or a service associated with a node and consuming the good or service; wherein the accessing of the first and the one or more second hierarchical tree structures comprises accessing tree structures that are locally available on a mobile computing device; wherein the accessing of the first and the one or more second hierarchical tree structures comprises accessing at least one of the trees via a network medium; wherein the accessing of the first and the one or more second hierarchical tree structures comprises accessing at least one of the trees via the Internet.”

However, Papierniak discloses business context, wireless/mobile and Internet (abstract, col. 1, lines 10-40, col. 3, lines 56-67, col. 4, lines 1-67, col. 10, lines 8-67 and col. 11, lines 32-61).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Simonetti with the teachings of Papierniak so as to have a system for multiple hierarchical tree structures

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for storing data. This combination would provide a system for designing future products accessible via and for web-based application (Papierniak – col. 2, lines 60-65) and for users or customer to make intelligence decisions and take timely actions to achieve their business goals (col. 4, lines 5-15) in the context-aware application computing and ubiquitous computing environment.

With respect to claims 50-53, Simonetti discloses a computer-readable media having computer readable instructions for determining context as discussed in claim 48.

Simonetti does not explicitly indicate, “wherein the computing device automatically determines its location context; wherein the computing device is a handheld computing device; wherein the computing device is a mobile computing device; wherein the computing device is a desktop device; and wherein the computing device is a handheld computing device that automatically determines its location context.”

However, Papierniak discloses business context, wireless/mobile and Internet (abstract, col. 1, lines 10-40, col. 3, lines 56-67, col. 4, lines 1-67, col. 10, lines 8-67 and col. 11, lines 32-61).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Simonetti with the teachings of Papierniak so as to have a system for multiple hierarchical tree structures for storing data. This combination would provide a system for designing future products accessible via and for web-based application (Papierniak – col. 2, lines 60-65) and for users or customer to make intelligence decisions and take timely actions to achieve



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their business goals (col. 4, lines 5-15) in the context-aware application computing and ubiquitous computing environment.

### ***Conclusion***

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

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**Contact Information**

9. Any inquiry concerning this communication should be directed to Anh Ly whose telephone number is (703) 306-4527 or via E-Mail: **ANH.LY@USPTO.GOV**. The examiner can be reached on Monday - Friday from 8:00 AM to 4:00 PM.

If attempts to reach the examiner are unsuccessful, see the examiner's supervisor, Kim Vu, can be reached on (703) 305-4393.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231


or faxed to: (703) 746-7238 (after Final Communication)


or: (703) 746-7239 (for formal communications intended for entry)

or: (703) 746-7240 (for informal or draft communications, or Customer Service Center, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor (receptionist).

Inquiries of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

AL   
Dec. 29<sup>th</sup>, 2002.

  
**HOSAINT T. ALAM**  
**PRIMARY EXAMINER**